

INTELLIGENT NETWORK AND METHOD FOR PROVIDING
VOICE TELEPHONY OVER ATM AND ALIAS ADDRESSING

ABSTRACT OF THE DISCLOSURE

An illustrative intelligent network and method for providing voice telephony over ATM and alias addressing are provided that can provide significant advantages. The intelligent network includes a multi-service control point, an ATM signaling intercept processor, and a service administration. The multi-service control point receives an input extracted from an input ATM setup message that includes a called party phone number value and a VToA designator, and generates an alias ATM address of a called party CPE that corresponds to a network gateway in communication with a PSTN switch through a plurality of trunk lines and a desired trunk line of the plurality of trunk lines. The multi-service control point generates an output in response that will be used to generate an output ATM setup message that includes the alias ATM address. The ATM signaling intercept processor intercepts the input ATM setup message from an ingress ATM edge switch of the ATM network, extracts the input from the input ATM setup message, communicates the input to the multi-service control point, receives the output generated by the multi-service control point, generates the output ATM setup message using the output, and communicates the output ATM setup message to the ingress ATM edge switch of the ATM network. The service administration provisions the multi-service control point and the ATM signaling intercept processor. An illustrative method for providing VToA and alias addressing is also provided.